

CUTTER DEVICE FOR HOLE MACHINING

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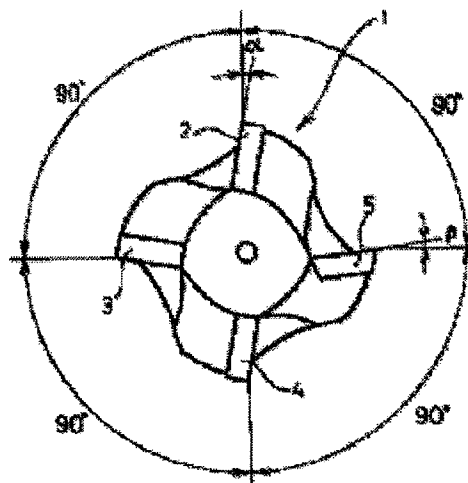
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Abstract of JP5038606

PURPOSE: To prevent a chattering phenomenon by uncombinatorially arranging cutting blades with a negative rake angle and cutting blades with a positive rake angle and by reducing the number of the cutting blades with the positive rake angle smaller than the number of the cutting blades with the negative rake angle. **CONSTITUTION:** Cutting blades 2, 3, 4 with a negative rake angle and a cutting blade 5 with a positive rake angle are arranged with equal intervals in irregular order along the circumferential direction, and the number of the cutting blades 5 with the positive rake angle is made smaller than the number of the cutting blades 2, 3, 4 with the negative rake angle. Consequently, resonance is not generated due to the change of cutting resistance and it is possible to prevent a chattering phenomenon and to keep feed per tooth for each cutting blade constant, and accordingly, abrasion of each cutting blade comes to be constant. That is, it is possible to make favourable roundness, too.



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